13.704 SOFTWARE ENGINEERING AND PROJECT MANAGEMENT (R)

	MODEL QUES	STION (2013 scheme)		
Time:	3 hours		Max marks: 100	
	PART A(Ansv	wer All Questions)	(5 X 4 marks=20 marks)	
1.	1. In waterfall life cycle model, a working version of the system is not seen until late in the project's life cycle. Suggest another life cycle model to solve the problem and give its working.			
2.	Software Engineering is a layered tech	hnology. Explain.		
3.	Give the properties of a modular syste	em.		
4.	4. Write short notes on alpha and beta testing.			
5.	5. Adding people to a late software project can make it later. Why is it so?			
	I	PART B		
	(Answer one FULL ques	stion from each module)	(4 X 20 marks=80 marks)	
	M	ODULE I		
6.	6. a) What is Capability Maturity Model? Explain the various levels of Capability Maturity			
	Model.		(10 marks)	
6.	6. b) Explain the spiral model of software life cycle with a neat labeled diagram. (10 marks			
		OR		
7.	. a) Expalin the various phases of Waterfall life cycle model. (10 mar		(10 marks)	
7. b) Explain the following clauses in ISO 9001:				
	(i) Inspection & Testing	(ii) Control of non-co	onforming product	
	(iii) Corrective action	(iv) Training		
	(v) Design control		(5X2=10 marks)	
	Mo	ODULE II		
8.	8. a) Explain the Constructive Cost Model (COCOMO).		(10 marks)	
8.	b) Explain (i) Single variable model			
	(ii) Various steps in project	t planning phase	(2X5=10 marks)	

	10 marks)			
9. b) Explain module coupling and module cohesion used in software design. (1	10 marks)			
MODULE III				
10. a) Explain the various software risks. How does staff turn over problem affect software				
project? (1	10 marks)			
10. b) Explain the various stages in risk management. Is it possible to prioritize risks?				
(1	10 marks)			
OR				
11. a) Expalin the various techniques for control structure testing. (1	10 marks)			
11. b) Explain Basis path testing. (1	10 marks)			
MODULE IV				
12a) How do you compute Task Set Selector (TSS) value for a project? How is TSS used				
to select the appropriate task set for a project. (1	10 marks)			
12. b) Explain the four degrees of rigor, with which the software process is applied for				
projects. (1	10 marks)			
OR				
13. a) Explain the rules for designing an effective User Interface. (1	10 marks)			
13. b) Expalin the following CASE tools: (5X2=	:10 marks)			
(i) SCM tools (ii) Documentation tools				
(iii) Integration & Testing tools (iv) Static Analysis tools				
(v) Reengineering tools				